INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP03/10243

	SIFICATION OF SUBJECT MATTER C1 ⁷ G11B7/007, 7/24, 7/26	· · · · · · · · · · · · · · · · · · ·	
According to	o International Patent Classification (IPC) or to both nat	ional classification and IPC	
	SSEARCHED		·
Minimum do	ocumentation searched (classification system followed b C1 ⁷ G11B7/00-7/013, 7/24, 7/26)		
Jitsu Kokai	ion searched other than minimum documentation to the 190 Shinan Koho 1922–1996 Jitsuyo Shinan Koho 1971–2003	Toroku Jitsuyo Shinan Koh Jitsuyo Shinan Toroku Koh	o 1994–2003. o 1996–2003
Electronic d	ata base consulted during the international search (name	of data base and, where practicable, sea	rch terms used)
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C. DOCUI	MENTS CONSIDERED TO BE RELEVANT	·	
Category*	Citation of document, with indication, where app	propriate, of the relevant passages	Relevant to claim No.
X Y	JP 11-250506 A (Yamaha Corp.) 17 September, 1999 (17.09.99) Full text (Family: none)		1-8,13 9-12,14-17
Y	JP 5-012671 A (Fuji Photo Fil 22 January, 1993 (22.01.93), Par. Nos. [0047], [0048] (Family: none)	lm Co., Ltd.),	9-12,15-17
Y .	JP 5-054393 A (Hitachi Maxel) 05 March, 1993 (05.03.93), Par. No. [0020] (Family: none)	l, Ltd.),	9-10,15-17
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× Furthe	r documents are listed in the continuation of Box C.	See patent fa mily annex.	
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention cannot be considered to involve an in			
02 S	actual completion of the international search September, 2003 (02.09.03)	Date of mailing of the international sea 16 September, 2003	arch report (16.09.03)
Name and mailing address of the ISA/ Japanese Patent Office		Authorized officer	
Facsimile No.		Telephone No.	



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Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 2002-008269 A (Sony Corp.), 11 January, 2002 (11.01.02), Par. Nos. [0026], [0028], [0034] (Family: none)	
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